

Procurement Plan for Electric Power Facilities

(Category: Equipment and materials for internal combustion power stations)

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No.	Description and Specifications			Quantity	Unit	Requesting Office/Station	Month of quotation	Month of delivery	Conditions of Delivery
1	monitoring and control system	Purchase and installation of wireless LAN within the premises	Wireless LAN	1	set	Tatsugo Internal-combustion Power Station	Jun-2023	Mar-2024	Installation, adjustment and field test
2	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 250, SV display: 550, TM normal delivery: 90, TM sub-com: 40	1	set	Tatsugo Internal-combustion Power Station	Apr-2025	Mar-2028	Installation, adjustment and field test
3	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 220, SV display: 750, TM normal delivery: 80, TM sub-com: 30	1	set	Shin Tanegashima Internal-combustion Power Station	Apr-2025	Sep-2027	Installation, adjustment and field test
4	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 70, SV display: 100, TM normal delivery: 20, TM sub-com: 10	1	set	Koshikijima No.1 Internal-combustion Power Station	Apr-2025	Oct-2027	Installation, adjustment and field test
5	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 40, SV display: 90, TM normal delivery: 30, TM sub-com: 10	1	set	Shin Yoron Internal-combustion Power Station	Apr-2025	Nov-2027	Installation, adjustment and field test
6	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 70, SV display: 90, TM normal delivery: 30, TM sub-com: 10	1	set	Shin Kikai Internal-combustion Power Station	Apr-2025	Dec-2027	Installation, adjustment and field test
7	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 70, SV display: 110, TM normal delivery: 40, TM sub-com: 10	1	set	Shin China Internal-combustion Power Station	Apr-2025	Jan-2028	Installation, adjustment and field test
8	remote monitoring and control system	Purchase and installation of electric power station server	Position point, SV control: 120, SV display: 300, TM normal delivery: 60, TM sub-com: 20	1	set	Shin Tokunoshima Internal-combustion Power Station	Apr-2025	Feb-2028	Installation, adjustment and field test
9	cranes	Overhead crane	2.8 t, overhead crane, 1.0 t, rail hoist	1	set	Shin Iki Internal-combustion Power Station	Jun-2023	Dec-2024	Completion of test run
10	DC power supply equipment (storage battery/battery charger)	Purchase and installation of storage batteries	Capacity: 100 AH, voltage: 24 V, number: 4	1	set	Nakanoshima Internal-combustion Power Station	May-2024	Sep-2024	Installation, adjustment and field test
11	physical and chemical appliance	Purchase and installation of oil film detector	Oil film detector, etc.	1	set	Shin Tanegashima Internal-combustion Power Station	Jun-2024	Mar-2025	Completion of test run
12	physical and chemical appliance	Purchase and installation of oil film detector	Oil film detector, etc.	1	set	Tanegashima No.1 Internal-combustion Power Station	Jun-2024	Mar-2025	Completion of test run
13	vehicle	Mobile generator	Type: gas turbine (self-propelled), power: 1,600 kW/2,000 kVA	1	set	Tatsugo Internal-combustion Power Station	Sep-2026	Mar-2028	Installation, adjustment and field test
14	vehicle	Mobile generator	Type: gas turbine (self-propelled), power: 1,600 kW/2,000 kVA	1	set	Koshikijima No.1 Internal-combustion Power Station	Sep-2025	Mar-2027	Installation, adjustment and field test
15	vehicle	Mobile generator	Type: gas turbine (self-propelled), power: 1,600 kW/2,000 kVA	1	set	Shin China Internal-combustion Power Station	Sep-2024	Mar-2026	Installation, adjustment and field test
16	Equipment and materials for internal combustion power plants (engines)	Diesel engine operation parts	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Tatsugo Internal-combustion Power Station	Jun-2023	Feb-2024	Delivery
17	Equipment and materials for internal combustion power plants (engines)	Diesel engine operation parts	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Tatsugo Internal-combustion Power Station	Sep-2023	Jun-2024	Delivery

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18	Equipment and materials for internal combustion power plants (engines)	Diesel engine operation parts	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Tatsugo Internal-combustion Power Station	Sep-2023	Jun-2024	Delivery
19	Equipment and materials for internal combustion power plants (engines)	Purchase and installation of supply air heating equipment	Duct heater 33.7 kW x 3 sets = 200 kW, indoor, closed, vertical stand-alone control panel	1	set	Shin Tanegashima Internal-combustion Power Station	Apr-2024	Mar-2025	Completion of test run
20	Equipment and materials for internal combustion power plants (engines)	Diesel engine operation parts	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Shin Kikai Internal-combustion Power Station	Sep-2023	Jun-2024	Delivery
21	Equipment and materials for internal combustion power plants (engines)	Purchase and installation of exhaust gas economizer	Body: PT-8 D, evaporation: 1,000 kg/h, vapor pressure: 0.7 MPa	1	set	Shin China Internal-combustion Power Station	Aug-2023	Oct-2024	Completion of test run
22	Equipment and materials for internal combustion power plants (engines)	Purchase and installation of fuel purifiers	Fuel cleaner (LUBCLIN), water not used in operation mechanism and centrifugation process	1	set	Shin Tokunoshima Internal-combustion Power Station	Sep-2023	Nov-2024	Completion of test run
23	Equipment and materials for internal combustion power plants (engines)	Exhaust gas economizer	Steam generation: 1 Ton (diesel engine rated power: 6.0 MVA)	1	set	Shin Iki Internal-combustion Power Station	Jul-2023	Jun-2025	Completion of test run
24	Equipment and materials for internal combustion power plants (engines)	Purchase, installation, and alignment tests of fuel oil cleaners	Existing type: FOPX607 (fuel oil-C), flow rate: 2,500 L/H or more, cleaning temperature: 98 °C	1	set	Shin Iki Internal-combustion Power Station	May-2024	May-2025	Installation, adjustment and field test
25	Equipment and materials for internal combustion power plants (engines)	Purchase, installation, and alignment tests of fuel oil cleaners	Existing type: FOPX607 (fuel oil-C), flow rate: 2,500 L/H or more, cleaning temperature: 98 °C	1	set	Toyotama Internal-combustion Power Station	Jun-2023	Nov-2024	Installation, adjustment and field test
26	Equipment and materials for internal combustion power plants (engines)	Purchase, installation, and alignment tests of the exhaust economizer body and control panel (the existing foundation is used)	Natural circulation system or forced circulation system exhaust gas economizer (generated steam 1.0 t/h)	1	set	Toyotama Internal-combustion Power Station	Mar-2024	Mar-2025	Installation, adjustment and field test
27	Equipment and materials for internal combustion power plants (engines)	Repair of cylinder liner	Cylinder liner, cylinder jacket (engine type: 12PC4V)	1	set	Toyotama Internal-combustion Power Station	Jun-2024	Dec-2024	Delivery
28	Equipment and materials for internal combustion power plants (engines)	Repair of articulated rod	Articulated rod (engine type: 12PC4V)	6	set	Toyotama Internal-combustion Power Station	Jun-2024	Dec-2024	Delivery
29	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Fukuoka Branch Office	Feb-2024	Aug-2025	Delivery
30	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by IHI Power Systems Co., Ltd. (former DU)	1	set	Fukuoka Branch Office	Feb-2024	Aug-2025	Delivery
31	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by Mitsubishi system	1	set	Fukuoka Branch Office	Feb-2024	Aug-2025	Delivery
32	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by IHI Power Systems Co., Ltd. (former Niigata Power Systems)	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery
33	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts made by DU (former Niigata Power Systems)	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery
34	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by Yanmar	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery

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35	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by Cummins	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery
36	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by Ebara Corporation	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery
37	Equipment and materials for internal combustion power plants (engines)	Periodic maintenance work parts for diesel engines	Engine parts manufactured by Kubota	1	set	Kagoshima Branch Office	Feb-2024	Apr-2025	Delivery
38	Equipment and materials for internal combustion power plants (generators)	Purchase and installation of AVR board	Manufacturer; Nishishiba	1	set	Shin Tanegashima Internal-combustion Power Station	Jun-2023	Dec-2024	Installation, adjustment and field test
39	Equipment and materials for internal combustion power plants (generators)	Purchase, installation and alignment tests of AVR equipment	Successor to the existing YNEX 90A-110	1	set	Toyota Internal-combustion Power Station	Aug-2023	Dec-2024	Installation, adjustment and field test
40	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Tatsugo Internal-combustion Power Station	Nov-2025	Sep-2027	Installation, adjustment and field test
41	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Koshikijima No.1 Internal-combustion Power Station	Nov-2023	Sep-2025	Installation, adjustment and field test
42	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Shin Yoron Internal-combustion Power Station	May-2024	Mar-2026	Installation, adjustment and field test
43	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Shin Kikai Internal-combustion Power Station	May-2025	Mar-2027	Installation, adjustment and field test
44	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Shin China Internal-combustion Power Station	Nov-2024	Sep-2026	Installation, adjustment and field test
45	equipment and materials for internal combustion power plants (electrical equipment)	Purchase and installation of automated driving systems	Automatic operation system	1	set	Shin Tokunoshima Internal-combustion Power Station	May-2026	Mar-2028	Installation, adjustment and field test
46	transformers for substations (110/66 kV)	Transformer (110 kV or less)	Voltage class 1st: 6.6 kV/2nd: 22 kV, capacity: 15 MVA, wire bound: Y-Y	1	set	Shin Iki Internal-combustion Power Station	Jul-2023	Jun-2025	Installation, adjustment and field test
47	Disconnectors for substations	Disconnecter (72 kV)	Disconnecter (6-23, 6-23E, 6-111)	3	set	Tanegashima No.1 Internal-combustion Power Station	Mar-2024	Dec-2024	Delivery
48	enclosed switchgear for substations	Purchase, installation, and alignment test of circuit breakers and PCT	7.2 kV vacuum circuit breaker (3 units), PT/CT	1	set	Sasuna Internal-combustion Power Station	Nov-2023	Nov-2024	Installation, adjustment and field test
49	Neutral point grounding devices for substations	Neutral grounding device (resistor)	22 kV/√3, 50 A, 254 Ω	1	set	Shin Iki Internal-combustion Power Station	Dec-2023	Dec-2024	Delivery
50	water treatment equipment (for generating facility)	Purchase, installation, and repair of control panels for water softeners	Control panel (SUS304) 2 mm	1	set	Tatsugo Internal-combustion Power Station	Jun-2023	Dec-2023	Installation, adjustment and field test
51	water treatment equipment (for generating facility)	Purchase and installation of simple separated septic tank, emergency shutoff valve, operation panel	Shut-off valve and operation panel	1	set	Koshikijima No.1 Internal-combustion Power Station	Jun-2023	Dec-2023	Completion of test